=> Uploading C:\Program Files\Stnexp\Queries\10555286-elected-103.str 1---32---3----4---17---19--26 \\22----27--28----38 24=-23 1 1 5*--7 10---11 chain nodes : 1 2 3 4 5 6 7 16 17 27 28 29 30 32 ring nodes : 8 9 10 11 12 19 20 21 22 23 24 chain bonds : $1 - 32 \quad 2 - 32 \quad 3 - 4 \quad 3 - 32 \quad 4 - 16 \quad 4 - 17 \quad 5 - 6 \quad 5 - 7 \quad 22 - 27 \quad 27 - 28 \quad 28 - 29 \quad 28 - 30$ ring bonds : 8-9 8-12 9-10 10-11 11-12 19-24 19-20 20-21 21-22 22-23 23-24 exact/norm bonds : $1-32 \quad 2-32 \quad 3-4 \quad 3-32 \quad 4-16 \quad 4-17 \quad 5-6 \quad 5-7 \quad 8-9 \quad 8-12 \quad 9-10 \quad 10-11 \quad 11-12 \quad 22-27$ 27-28 28-29 28-30 normalized bonds : 19-24 19-20 20-21 21-22 22-23 23-24 isolated ring systems : containing 8 : 19 : G1:[*1],[*2] Connectivity: 17:2 E exact RC ring/chain Match level : 1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 16:CLASS 17:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 26:Atom 27:CLASS 28:CLASS 29:CLASS 30:Atom 32:CLASS Generic attributes : 30: Saturation : Unsaturated Number of Carbon Atoms : less than 7 Number of Hetero Atoms : Exactly 1 Type of Ring System : Monocyclic

L14 STRUCTURE UPLOADED

Element Count :
Node 30: Limited
C,C5
N,N1

```
=> d his
               STRUCTURE UPLOADED
L14
L16
            55 S L14 SSS FULL
    FILE 'CAPLUS' ENTERED AT 16:50:48 ON 11 JUL 2008
L17
             4 S L16
=> d l17 tot bib abs hitstr
L17 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
    2005:260065 CAPLUS Full-text
ΑN
DN
    142:316825
    Preparation of dioxolane derivatives as cell adhesion inhibitors with
ΤI
    therapeutic uses
    Palle, Venkata P.; Sattigeri, Viswajanani J.; Salman, Mohammad; Soni,
ΙN
    Ajay; Ray, Abhijit; Dastidar, Sunanda G.
PA
    Ranbaxy Laboratories Limited, India
SO
    PCT Int. Appl., 132 pp.
    CODEN: PIXXD2
    Patent
DT
    English
LA
FAN.CNT 1
    PATENT NO.
                       KIND
                               DATE
                                         APPLICATION NO.
                        ____
                               _____
                                           _____
                                          WO 2004-IB3047
    WO 2005026163
                        A1
                               20050324
                                                                  20040917
PΙ
        W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
            CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
            GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
            LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
            NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
            TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
        RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
            AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
            EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
            SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
            SN, TD, TG
    EP 1668007
                         Α1
                              20060614
                                          EP 2004-769418
        R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
    IN 2006DN01690
                      A
                               20070323
                                          IN 2006-DN1690
                                                                  20060328
```

PRAI US 2003-503643P

OS GI WO 2004-IB3047

Ρ

W

CASREACT 142:316825; MARPAT 142:316825

20030917

20040917

AΒ The present invention relates to dioxolane derivs. (shown as I; variables defined below; e.g. (4R, 5R) - 5 - [[(S) - 1 - carboxy - 2 - [4 - (2, 6 - 1)]]]dichlorobenzyloxy)phenyl]ethyl]carbamoyl]-[1,3]dioxolane-4-carboxylic acid (shown as II)), their pharmaceutically acceptable salts, pharmaceutically acceptable solvates, enantiomers, diastereomers, polymorphs or N-oxides as cell adhesion inhibitors (no data). These compds. can be useful for inhibition and prevention of cell adhesion and cell adhesion-mediated pathologies, including inflammatory and autoimmune diseases such as bronchial asthma, rheumatoid arthritis, type I diabetes, multiple sclerosis, allograft rejection or psoriasis. This invention also relates to pharmacol. compns. containing the compds. of the present invention, and the methods of treating bronchial asthma, rheumatoid arthritis, multiple sclerosis, type I diabetes, psoriasis, allograft rejection, and other inflammatory and/or autoimmune disorders, using the compds. For I: m = 0-2; R1 = H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, aralkyl, heteroarylalkyl, or heterocyclylalkyl; R2 = H, alkyl, alkenyl, alkynyl, cycloalkyl, carboxy, aryl, aralkyl, heteroaryl, heterocyclyl, heteroarylalkyl, or heterocyclylalkyl; R1 and R2 may together join to form a cyclic ring (3-8 membered), which may be optionally benzofused, containing 0-4 heteroatoms such as 0, S, or N, wherein the rings may be substituted with ≥1 alkyl, alkenyl, alkynyl, (un)substituted amino, cycloalkyl, carboxy, alkoxy, aryloxy, halogen, aryl, aralkyl, heteroaryl, heterocyclyl, heteroarylalkyl or heterocyclylalkyl. R3 = NH2, NHOH, NHOR (R = alkyl, alkenyl, alkynyl, cycloalkyl or aralkyl), or ORm (Rm = H, alkyl, aralkyl, aryl, or metal ions (Na, K, Li, Ca or Mg)); R4 = H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, aralkyl, heteroaryl, heterocyclyl, heteroarylalkyl, heterocyclylalkyl, -(CH2)1-4-OR' (R'= H, alkyl, alkenyl, alkynyl, aralkyl, aryl, heterocyclylalkyl, or heteroarylalkyl), -C(0)R3, -C(0)Rz (Rz is -NR7R8, R7 and R8 = H (provided that both R7 and R8 are not H, represented as amino), alkyl, alkenyl, alkynyl, aralkyl, cycloalkyl, hydroxyalkyl, aralkyloxy, aryl, heteroaryl, heterocyclyl, heteroarylalkyl, heterocyclylalkyl, SO2R9 (R9 = alkyl, alkenyl, alkynyl, cycloalkyl, aralkyl, aryl, heterocyclyl, heteroaryl, heteroarylalkyl, heterocyclylalkyl)). Or R7 and R5 may together join to form a cyclic ring (3-8 membered), which may be optionally benzo-fused, containing 0-4 heteroatoms such as 0, S, or N, wherein the rings may be substituted with ≥1 of alkyl, alkenyl, alkynyl, (un)substituted amino, cycloalkyl, carboxy, alkoxy, hydroxy, oxo, aryloxy, aryl, halogen, aralkyl, heteroaryl, heterocyclyl, heteroarylalkyl, or heterocyclylalkyl; or (CH2)1-4NRxRy (Rx and Ry = H, alkyl, alkenyl, alkynyl, cycloalkyl, aryl, aralkyl, heteroaryl, heterocyclyl, heterocyclylalkyl, heteroarylalkyl, -YRu (Y is C(O), C(S) or SO2 and Ru is alkyl, alkenyl, alkynyl, aryl, aralkyl, heteroaryl, heterocyclyl,

heterocyclylalkyl or heteroarylalkyl), -C(:T)NRu (T is O, S, -CH(NO2), -N(NO2) or -N(CN)) or -C(O)ORu); R5 and R6 = H, alkyl, cycloalkyl, heterocyclyl, heteroarylalkyl, heterocyclylalkyl, aryl, or aralkyl; or R5 and R6 may together join to form a cycloalkyl ring. Methods of preparation of I and intermediates are claimed and 14 example prepns. are included. For example, II was prepared in 4 steps starting from di-Et (4R,5R)-[1,3]dioxolane-4,5-dicarboxylate and involving intermediates (4R,5R)-[1,3]dioxolane-4,5-dicarboxylic acid monoethyl ester, (4R,5R)-5-[[(S)-1-(benzyloxycarbonyl)-2-(4-hydroxyphenyl)ethyl]carbamoyl]-[1,3]dioxolane-4-carboxylic acid Et ester, and <math>(4R,5R)-5-[[(S)-1-(benzyloxycarbonyl)-2-[4-(2,6-dichlorobenzyloxy)phenyl]ethyl]carbamoyl]-[1,3]dioxolane-4-carboxylic acid Et ester

IT 848210-00-4P, (S)-2-[[[(4R,5R)-5-(3,5-Dichlorophenylcarbamoyl)[1,3]dioxolan-4-yl]carbamoyl]amino]-3-[4-[[(pyridin-4yl)carbonyl]amino]phenyl]propionic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(drug candidate; preparation of dioxolane derivs. as cell adhesion inhibitors with therapeutic uses)

RN 848210-00-4 CAPLUS

CN L-Phenylalanine, N-[[[(4R,5R)-5-[[(3,5-dichlorophenyl)amino]carbonyl]-1,3-dioxolan-4-yl]amino]carbonyl]-4-[(4-pyridinylcarbonyl)amino]- (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2002:555472 CAPLUS Full-text

DN 137:125085

TI Preparation of urea derivatives as integrin alpha 4 antagonists

IN Jimenez Mayorga, Juan Miguel; Bach Tana, Jordi; Ontoria Ontoria, Jesus Maria; Navarro Romero, Eloisa

PA Almirall Prodesfarma, S.A., Spain

SO PCT Int. Appl., 107 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

| ΡI | | 2002 2002 | | | | A2 A3 | | 2002 2003 | | | WO | 200 | 02-I | EP33 | 1 | | 2 | 0020 | 115 |
|-------|-----|--------------|----------------|------|------|----------|-----|--------------|------|-----------------------|------------|------|-----------|-------|-------|-----|-------|-------|----------|
| | WO | | | | 7. T | | | | | D.7 | | | D C | D.D. | DII | DE | 0.7 | 011 | 017 |
| | | W: | | | | | | AU, | | | | | | | | | | | |
| | | | | | | | | DK, | | | | | | | | | | | |
| | | | GM, | HR, | HU, | ID, | IL, | IN, | IS, | JP, | KE | :, I | KG, | KΡ, | KR, | KΖ, | LC, | LK, | LR, |
| | | | LS, | LT, | LU, | LV, | MA, | MD, | MG, | MK, | MN | 1, 1 | MW, | MX, | ΜZ, | NO, | NΖ, | OM, | PH, |
| | | | PL, | PT, | RO, | RU, | SD, | SE, | SG, | SI, | SK | ζ, : | SL, | ΤJ, | TM, | TN, | TR, | TT, | TZ, |
| | | | UA, | UG, | US, | UZ, | VN, | YU, | ZA, | ZM, | ZW | J | | | | | | | |
| | | RW: | GH, | | | | | | | | | | TZ. | UG. | ZM. | ZW. | AM. | AZ, | BY, |
| | | | | | | | | TM, | | | | | | | | | | | |
| | | | GR, | | | | | NL, | | | | | | | | | | | |
| | | | - , | | | | | | | | | | <i></i> , | 20, | O1 , | 00, | O + , | 011, | 011, |
| | ГC | 2200 | | 02, | ON, | A1 | | 2004 | | TD, TG ES 2001-126 | | | | | | | 2 | 0010 | 110 |
| | | 2200 | | | | B1 | | 2004 | | | ĿО | 201 | U I – . | 120 | | | ۷ | 0010. | 119 |
| | | | | | | | | | | | Ω 7 | 201 | 00 / | 2434 | 0.2.0 | | 2 | 0000 | 115 |
| | | 2434 | | 4.0 | | A1 | | 2002 | | | | | | | | | | 0020 | |
| | | 2002 | | | | A1 | | 2002 | | | ΑU | 200 | 02-2 | 2280 | 48 | | 2 | 0020 | 115 |
| | | 2002 | | 48 | | B2 A | | 2008 | | | | | | | | | | | |
| | | 2003 | | 7 | | | | 2003 | | | | | 03-3 | | | | | 0020 | |
| | | 1383 | | | | A2 | | 2004 | | | ΕP | 200 | 02- | 7100 | 10 | | 2 | 0020 | 115 |
| | EΡ | 1383 | 750 | | | В1 | | 2007 | 0926 | | | | | | | | | | |
| | | R: | ΑT, | BE, | CH, | DE, | DK, | ES, | FR, | GB, | GR | ₹, : | ΙΤ, | LI, | LU, | NL, | SE, | MC, | PT, |
| | | | ΙE, | SI, | LT, | LV, | FΙ, | RO, | MK, | CY, | AL | ٠, [| TR | | | | | | |
| | HU | 2003 | 0037 | 22 | | A2 | | 2004 | 0301 | | HU | 200 | 03-3 | 3722 | | | 2 | 0020 | 115 |
| | HU | 2003 | 0037 | 22 | | А3 | | 2005 | 1228 | | | | | | | | | | |
| | JΡ | 2004 | 5171 | 43 | | Τ | | 2004 | 0610 | | JΡ | 200 | 02-5 | 5579. | 23 | | 2 | 0020 | 115 |
| | BR | 2002 | 0065 | 88 | | T A | | 2004 | 0622 | | BR | 200 | 02-6 | 5588 | | | 2 | 0020 | 115 |
| | CN | 1531 | 425 | | | Α | | 2004 | 0922 | | CN | 200 | 02-8 | 3065 | 25 | | 2 | 0020 | 115 |
| | ΝZ | 5270 | 31 | | | Α | | 2005 | 0930 | | ΝZ | 200 | 02-5 | 5270. | 31 | | 2 | 0020 | 115 |
| | RU | 2296 | 120 | | | C2 | | 2007 | 0327 | | RU | 200 | 03-3 | 1253 | 67 | | 2 | 0020 | 115 |
| | ΑT | 3741 | 91 | | | Τ | | 2007 | 1015 | | ΑT | 200 | 02- | 7100 | 10 | | 2 | 0020 | 115 |
| | ES | 2291 | 448 | | | Т3 | | 2008 | 0301 | | ES | 200 | 02- | 7100 | 10 | | 2 | 0020 | 115 |
| | IN | 2003 | DN01 | 102 | | Α | | 2007 | | | IN | 200 | 03-I | DN11 | 02 | | 2 | 0030 | 715 |
| | MX | 2003 | PA063 | 363 | | А | | 2004 | 0420 | | MX | 200 | 03-I | PA63 | 63 | | 2 | 0030 | 716 |
| | | 2003 | | | | A | | 2004 | | | | | | 5535 | | | | 0030 | |
| | | 2003 | | | | A | | 2003 | | | | | | 3269 | | | | 0030 | |
| | | 1080 | | | | A | | 2004 | | | | | | 1080 | 0.4 | | | 0030 | |
| | | 1058 | | | | A1 | | 2007 | | | | | | 1011. | | | | 0040 | |
| | | 2004 | | 982 | | A1 | | 2004 | | | | | | 4666 | | | | 0040 | |
| | | 7253 | | 702 | | B2 | | 2007 | | | 0.5 | 201 | 01 | 1000 | 0.5 | | 2 | 0010. | 223 |
| | | 2007 | | 762 | | ьz А1 | | 2007 | | | IIC | 201 | 07 (| 3021 | 65 | | 2 | 0070 | 521 |
| TUDAT | | | | 103 | | A | | | | | US | 201 | 0 /- | 5021 | 0.5 | | ۷ | 0070. | <i>J</i> |
| FKAI | | 2001 | | 2.1 | | | | 2001 | | | | | | | | | | | |
| | | 2002 | | | | W | | 2002 | | | | | | | | | | | |
| 0.0 | | 2004 | | | 0.5 | A3 | | 2004 | 0223 | | | | | | | | | | |
| OS | MAI | RPAT | ⊥3/ : . | 1720 | ŏϽ | | | | | | | | | | | | | | |
| GI | | | | | | | | | | | | | | | | | | | |

$$\begin{array}{c} \stackrel{\text{Me}}{\longrightarrow} \stackrel{\text{H}}{\longrightarrow} \stackrel{\text{H}}{\longrightarrow} \stackrel{\text{CO}_2H}{\longrightarrow} \\ \stackrel{\text{C1}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{II}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{II}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{II}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{C1}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{C1}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \stackrel{\text{C1}}{\longrightarrow} \\ \stackrel{\text{C1}}{\longrightarrow} \stackrel{$$

The title compds. [I; R1 = alkyl, alkenyl, cycloalkyl, etc.; R2 = H, alkyl, alkylaryl, etc.; R3, R4 = H, alkyl; R2 and R3, together with the atoms to which they are attached, may form a 4-8 membered ring; R5 = alkyl, cycloalkyl, aryl, etc.; L1 = S, S0, S02, C0, etc.; L2 = a bond, O, S, S0, etc.; W = O, S, (un)substituted NH, N(CN); X = (CH2)naryl, (CH2)nheteroaryl; Y = monocyclic (hetero)aryl; Z = CONH2, CO2R, PO3R, SO3R, etc.; R = H, alkyl, cycloalkyl, etc.; n = 0-2], novel antagonists of $\alpha 4\beta 1$ integrin and/or $\alpha 4\beta 7$ integrin useful in preventing or treating an immune or inflammatory diseases or disorders, were prepared and formulated. Thus, reacting 2-amino-N-cyclohexyl-N-methylbenzamide with (S)-3-[4-(2,6-dichlorobenzoylamino)phenyl]-2-isocyanatopropionic acid Me ester (preparation given) in CH2C12 (yield 50%) followed by hydrolysis of the intermediate ester (77%) afforded (S)-II which showed IC50 of < 100 nM in the $\alpha 4\beta 1$ assav.

IT 444086-35-5P 444086-37-7P 444086-39-9P 444086-41-3P 444086-43-5P 444086-52-6P 444086-61-7P 444086-63-9P 444086-65-1P 444086-67-3P 444086-69-5P 444086-71-9P 444086-73-1P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of ureas as integrin alpha 4 antagonists)

RN 444086-35-5 CAPLUS

CN

L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-(1-piperidinylsulfonyl)phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

RN 444086-37-7 CAPLUS

CN L-Phenylalanine, N-[[[5-chloro-2-[(2,5-dimethoxyphenyl)sulfonyl]phenyl]ami no]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-39-9 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)sulfonyl]phenyl]amino]carb onyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-41-3 CAPLUS

CN L-Phenylalanine, N-[[[5-chloro-2-(phenylsulfonyl)phenyl]amino]carbonyl]-4[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-52-6 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N[[methyl[2-(phenylmethyl)phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-61-7 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N[[methyl[2-(1-piperidinylsulfonyl)phenyl]amino]carbonyl]-, methyl ester
(CA INDEX NAME)

Absolute stereochemistry.

RN 444086-63-9 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(4-

methyl-1-piperazinyl)sulfonyl]phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-65-1 CAPLUS

CN L-Phenylalanine, N-[[[2-(cyclopentylsulfonyl)phenyl]amino]carbonyl]-4[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-67-3 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(1,1-dimethylethyl)sulfonyl]phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-69-5 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(7-methylthieno[2,3-b]pyrazin-2-yl)thio]phenyl]amino]carbonyl]-, methyl ester

Absolute stereochemistry.

RN 444086-71-9 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(3,5-dichloro-4-pyridinyl)thio]phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-73-1 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N[[methyl[2-(1-piperazinylsulfonyl)phenyl]amino]carbonyl]-, methyl ester
(CA INDEX NAME)

```
ΙT
     444086-36-6P 444086-38-8P 444086-40-2P
     444086-42-4P 444086-44-6P 444086-51-5P
     444086-53-7P 444086-54-8P 444086-55-9P
     444086-56-0P 444086-57-1P 444086-58-2P
     444086-59-3P 444086-60-6P 444086-62-8P
     444086-64-0P 444086-66-2P 444086-68-4P
     444086-70-8P 444086-72-0P 444086-74-2P
     444086-75-3P 444086-76-4P 444086-77-5P
     444086-78-6P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
        (preparation of ureas as integrin alpha 4 antagonists)
RN
     444086-36-6 CAPLUS
     L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-(1-
CN
     piperidinylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)
```

Absolute stereochemistry.

$$\begin{array}{c|c} & & & & \\ & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

RN 444086-38-8 CAPLUS
CN L-Phenylalanine, N-[[[5-chloro-2-[(2,5-dimethoxyphenyl)sulfonyl]phenyl]ami
no]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX
NAME)

Absolute stereochemistry.

RN 444086-40-2 CAPLUS
CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)sulfonyl]phenyl]amino]carb
onyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

RN 444086-42-4 CAPLUS

CN L-Phenylalanine, N-[[[5-chloro-2-(phenylsulfonyl)phenyl]amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-44-6 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-51-5 CAPLUS

CN L-Phenylalanine, N-[[(3-benzoylphenyl)amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

RN 444086-53-7 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N- [[methyl[2-(phenylmethyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-54-8 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl]amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-55-9 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl]methylamin o]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

RN 444086-56-0 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl]propylamin o]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-57-1 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl](cycloprop ylmethyl)amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-58-2 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl]pentylamin o]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

RN 444086-59-3 CAPLUS

CN L-Phenylalanine, N-[[[2-[(cyclohexylmethylamino)carbonyl]phenyl](phenylmethyl)amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-60-6 CAPLUS

CN L-Phenylalanine, N-[[(cyclohexylmethyl)[2-[(cyclohexylmethylamino)carbonyl]phenyl]amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-(CA INDEX NAME)

Absolute stereochemistry.

RN 444086-62-8 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-

[[methyl[2-(1-piperidinylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-64-0 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(4-methyl-1-piperazinyl)sulfonyl]phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-66-2 CAPLUS

CN L-Phenylalanine, N-[[[2-(cyclopentylsulfonyl)phenyl]amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-68-4 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(1,1-dimethylethyl)sulfonyl]phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-70-8 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(7-methylthieno[2,3-b]pyrazin-2-yl)thio]phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-72-0 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[[2-[(3,5-dichloro-4-pyridinyl)thio]phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c|c} & & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & &$$

RN 444086-74-2 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N- [[methyl[2-(1-piperazinylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

RN 444086-75-3 CAPLUS

CN L-Phenylalanine, 4-[[(2-chloro-6-methyl-3-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-76-4 CAPLUS

CN L-Phenylalanine, 4-[[(2,6-dichloro-3-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 444086-77-5 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dimethoxy-4-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

RN 444086-78-6 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dibromo-4-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

IT 444087-42-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of ureas as integrin alpha 4 antagonists)

RN 444087-42-7 CAPLUS

CN L-Phenylalanine, 4-[[(2-chloro-6-methyl-3-pyridinyl)carbonyl]amino]-N-[[[2-(phenylsulfonyl)phenyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

- L17 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN
- AN 2002:142667 CAPLUS Full-text
- DN 136:200103
- ${\tt TI}$ Preparation of (thio)urea moiety-containing heterocyclic compounds as ${\tt VLA-4}$ antagonists
- IN Fukui, Hideto; Ikegami, Satoru; Okuyama, Akihiko
- PA Kaken Pharmaceutical Co., Ltd., Japan
- SO PCT Int. Appl., 43 pp.

```
CODEN: PIXXD2
```

DT Patent LA Japanese

FAN.CNT 1

| | PATENT NO. | | | | | KIND DATE | | | | APPLICATION NO. | | | | | | DATE | | | |
|------|-----------------|--------|------|------|------------|-----------|----------|------|----------------|-----------------|-----|-----|-----|-----|----------|------|-----|-----|--|
| ΡI | I WO 2002014272 | | | | A1 | _ | 20020221 | | WO 2001-JP6833 | | | | | | 20010808 | | | | |
| | | W: | ΑE, | AG, | AL, | AM, | ΑT, | ΑU, | ΑZ, | ΒA, | BB, | BG, | BR, | BY, | BZ, | CA, | CH, | CN, | |
| | | | CO, | CR, | CU, | CZ, | DE, | DK, | DM, | DZ, | EC, | EE, | ES, | FΙ, | GB, | GD, | GE, | GH, | |
| | | | GM, | HR, | HU, | ID, | IL, | IN, | IS, | JP, | KE, | KG, | KP, | KR, | KZ, | LC, | LK, | LR, | |
| | | | LS, | LT, | LU, | LV, | MA, | MD, | MG, | MK, | MN, | MW, | MX, | MZ, | NO, | NZ, | PL, | PT, | |
| | | | RO, | RU, | SD, | SE, | SG, | SI, | SK, | SL, | ΤJ, | TM, | TR, | TT, | TZ, | UA, | UG, | US, | |
| | | | UZ, | VN, | YU, | ZA, | ZW | | | | | | | | | | | | |
| | | RW: | GH, | GM, | KE, | LS, | MW, | MZ, | SD, | SL, | SZ, | TZ, | UG, | ZW, | ΑT, | BE, | CH, | CY, | |
| | | | DE, | DK, | ES, | FΙ, | FR, | GB, | GR, | ΙE, | ΙΤ, | LU, | MC, | NL, | PT, | SE, | TR, | BF, | |
| | | | ВJ, | CF, | CG, | CI, | CM, | GA, | GN, | GQ, | GW, | ML, | MR, | NE, | SN, | TD, | TG | | |
| | | | | | A 20020225 | | | | AU 2001-77720 | | | | | | • | | | | |
| PRAI | JΡ | 2000- | -241 | 657 | | А | | 2000 | 0809 | | | | | | | | | | |
| | WO | 2001 | JP6 | 833 | | W | | 2001 | 8080 | | | | | | | | | | |
| OS | MAF | RPAT : | 136: | 2001 | 03 | | | | | | | | | | | | | | |
| GI | | | | | | | | | | | | | | | | | | | |

The title compds. I [R1 = H, alkyl, etc.; X1 = single bond, C.tplbond.C, etc.; Y = O, etc.; Z = NR7R8, etc.; R7, R8 = H, hydrocarbon, etc.; X2 = heterocyclic ring (generic structure given); further details on said heterocyclic ring are given] are prepared A process for the preparation of I is claimed. In an assay for inhibition of VLA-4/VCAM-1 adhesion, 3-[4-[(3,5-dichloropyridine-4-carbonyl)amino]phenyl]-2-(S)-[3-isobutyl-3- [1(S)-phenylethyl]ureido]propionic acid showed IC50 of 1.1 nM.

IT 401470-70-0P 401470-72-2P 401470-73-3P 401470-74-4P 401470-75-5P 401470-84-6P 401470-85-7P 401470-86-8P 401470-87-9P 401470-88-0P 401470-89-1P 401470-90-4P

Ι

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of (thio)urea moiety-containing heterocyclic compds. as VLA-4 antagonists)

RN 401470-70-0 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[(1S)-1-phenylethyl]amino]carbonyl]- (CA INDEX NAME)

RN 401470-72-2 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[(1R)-1-phenylethyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-73-3 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)(1,2,3,4-tetrahydro-1-naphthalenyl)amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$$

RN 401470-74-4 CAPLUS

CN L-Phenylalanine, N-[[bis(2-methylpropyl)amino]carbonyl]-4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]- (CA INDEX NAME)

RN 401470-75-5 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)phenylamino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-84-6 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[1-(2-pyridinyl)ethyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-85-7 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[1-(3-pyridinyl)ethyl]amino]carbonyl]- (CA INDEX NAME)

RN 401470-86-8 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[1-(4-pyridinyl)ethyl]amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-87-9 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)(1-pyrazinylethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-88-0 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[1-(2-thiazolyl)ethyl]amino]carbonyl]- (CA INDEX NAME)

$$\begin{array}{c|c}
 & \text{Me} & \text{O} & \text{CO}_2H \\
 & \text{N} & \text{N} & \text{N} & \text{N} \\
 & \text{S} & \text{I} - \text{Bu}
\end{array}$$

RN 401470-89-1 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(3-methyl-1-phenylbutyl)(2-methylpropyl)amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RN 401470-90-4 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(3,3-dimethyl-1-phenylbutyl)(2-methylpropyl)amino]carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c} \text{HO2C} \\ \text{i-Bu} \\ \text{Me3C} \end{array}$$

IT 401471-09-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of (thio)urea moiety-containing heterocyclic compds. as VLA-4 antagonists)

RN 401471-09-8 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[[(2-methylpropyl)[(1S)-1-phenylethyl]amino]carbonyl]-, methyl ester (CA INDEX NAME)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L17 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1999:795785 CAPLUS Full-text

DN 132:36028

TI Preparation of phenylalanine derivatives as integrin inhibitors

IN Porter, John Robert; Head, John Clifford; Warrellow, Graham John;
Archibald, Sarah Catherine

PA Celltech Therapeutics Limited, UK

SO PCT Int. Appl., 49 pp.

MARPAT 132:36028

CODEN: PIXXD2
DT Patent

Di Patent

LA English

FAN.CNT 1

OS

| r AN. | | PATENT NO. | | | | KIND DATE | | | | | APPL | ICAT | DATE | | | | | | |
|---------------|------------|------------|------|-----|---------------|-------------|-----|----------------|----------------|---------------|----------------|------|------|----------|----------|-----|----------|-----|--|
| PI WO 9964390 | | | | | A1 | A1 19991216 | | 1216 | WO 1999-GB1758 | | | | | | 19990604 | | | | |
| | | W: | ΑE, | AL, | AM, | ΑT, | ΑU, | ΑZ, | BA, | BB, | BG, | BR, | BY, | CA, | CH, | CN, | CU, | CZ, | |
| | | | DE, | DK, | EE, | ES, | FI, | GB, | GD, | GE, | GH, | GM, | HR, | HU, | ID, | IL, | IN, | IS, | |
| | | | JP, | ΚE, | KG, | KP, | KR, | KΖ, | LC, | LK, | LR, | LS, | LT, | LU, | LV, | MD, | MG, | MK, | |
| | | | MN, | MW, | MX, | NO, | NZ, | PL, | PT, | RO, | RU, | SD, | SE, | SG, | SI, | SK, | SL, | ΤJ, | |
| | | | TM, | TR, | TT, | UA, | UG, | US, | UZ, | VN, | YU, | ZA, | ZW, | AM, | ΑZ, | BY, | KG, | KΖ, | |
| | | | MD, | RU, | ΤJ, | TM | | | | | | | | | | | | | |
| | | RW: | GH, | GM, | KE, | LS, | MW, | SD, | SL, | SZ, | UG, | ZW, | AT, | BE, | CH, | CY, | DE, | DK, | |
| | | | ES, | FI, | FR, | GB, | GR, | ΙE, | ΙΤ, | LU, | MC, | NL, | PT, | SE, | BF, | ВJ, | CF, | CG, | |
| | | | CI, | CM, | GA, | GN, | GW, | ML, | MR, | ΝE, | SN, | TD, | ΤG | | | | | | |
| | AU | 9942 | 765 | | | Α | | 1999 | 1230 | AU 1999-42765 | | | | | 19990604 | | | | |
| | EP 1082294 | | | | A1 20010314 | | | EP 1999-955469 | | | | | | 19990604 | | | | | |
| | | R: | AT, | BE, | CH, | DE, | DK, | ES, | FR, | GB, | GR, | IT, | LI, | LU, | NL, | SE, | MC, | PT, | |
| | | | IE, | FΙ | | | | | | | | | | | | | | | |
| | JΡ | 2002 | 5174 | 80 | | T 20020618 | | | JP 2000-553400 | | | | | | 19990604 | | | | |
| | US | 6911 | 451 | | | В1 | | 20050628 | | | US 1999-326020 | | | | | | 19990604 | | |
| PRAI | GB | 1998 | -120 | 88 | | Α | | 1998 | 0605 | | | | | | | | | | |
| | WO | 1999 | -GB1 | 758 | 58 W 19990604 | | | | | | | | | | | | | | |

AB Phenylalanine derivs. p-[R1(Alk1)r(L1)s]C6H4(Alk2)mCRR2X1R4 [R is a carboxylic acid or derivative; R1 = (un)substituted cycloaliph., polycycloaliph., heterocycloaliph., polyheterocycloaliph., aromatic, or heteroarom. group; Alk1 = (un)substituted aliphatic or heteroaliph. chain; L1 is a linker atom or group; r, s, m = 0 or 1; Alk2 = alkylene; R2 = H, Me; X1 = NR3CO, NR3SO2, NR3CO2, or NR3CONR3a (R3, R3a = H or alkyl); R4 = (un)substituted aliphatic cycloaliph., or polycycloaliph. group] were prepared for use as α4 integrin inhibitors. Thus, N-isobutyryl-N'-(3,5- dichloroisonicotinoyl)-L-4- aminophenylalanine was prepared via acylation/saponification of N'-(3,5- dichloroisonicotinoyl)-L-4-aminophenylalanine Me ester. The compds. of the

invention generally have IC50 values in the $\alpha 4\beta 1$ and $\alpha 4\beta 7$ assays of 1 μM and below.

IT 252328-03-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of phenylalanine derivs. as integrin inhibitors)

RN 252328-03-3 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N[(ethylamino)carbonyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.

IT 252328-04-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of phenylalanine derivs. as integrin inhibitors)

RN 252328-04-4 CAPLUS

CN L-Phenylalanine, 4-[[(3,5-dichloro-4-pyridinyl)carbonyl]amino]-N-[(ethylamino)carbonyl]- (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

| => log hold | | |
|--|------------|---------|
| COST IN U.S. DOLLARS | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| FULL ESTIMATED COST | 22.28 | 459.09 |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE | TOTAL |
| | ENTRY | SESSION |
| CA SUBSCRIBER PRICE | -3.20 | -5.60 |

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:51:16 ON 11 JUL 2008